

# Customer Information Sheet

DRAWING No.: M80-4E1XXXX00

IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

**SPECIFICATIONS:**

**MATERIAL:**  
 MOULDING: GLASS FILLED PPS, UL94V-0, BLACK  
 SIGNAL CONTACT:  
 CLIP = BERYLIUM COPPER  
 SHELL = BRASS

**FINISH:**  
 SIGNAL CONTACT:  
 CLIP = 0.3µ GOLD  
 SHELL = 0.25-0.3µ GOLD

**ELECTRICAL:**  
 WORKING VOLTAGE = 800V AC/DC  
 VOLTAGE PROOF = 1200V AC/DC  
 INSULATION RESISTANCE = 100MΩ MIN

**SIGNAL CONTACT:**  
 CURRENT RATING AT 25°C = 3.0A MAX  
 CURRENT RATING AT 85°C = 2.2A MAX  
 CONTACT RESISTANCE = 25 mΩ MAX

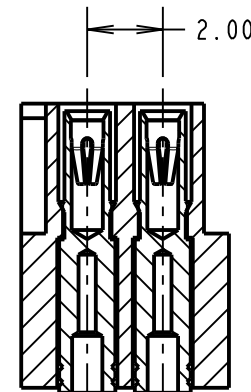
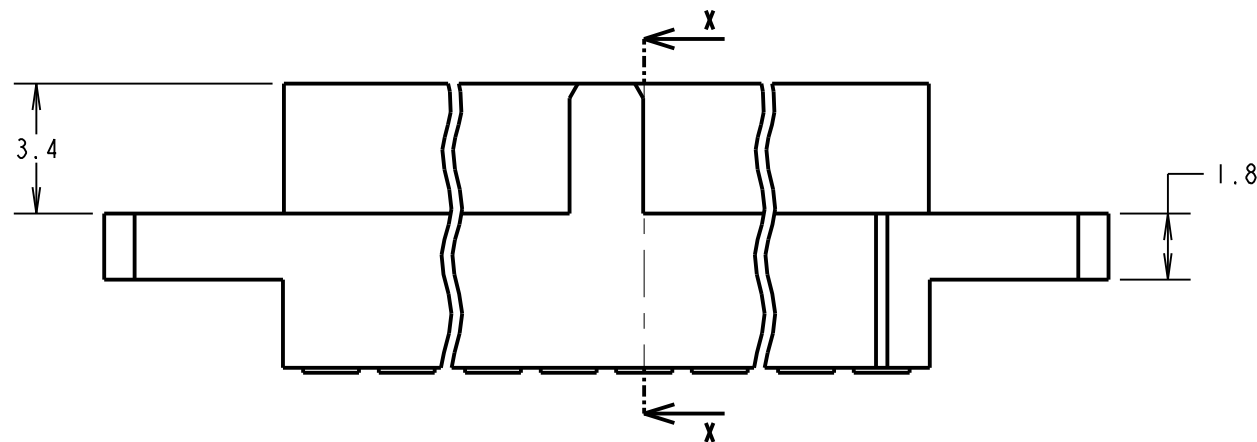
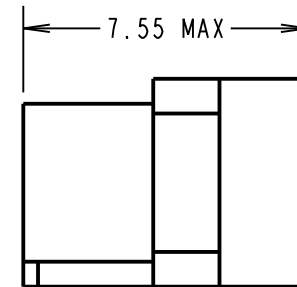
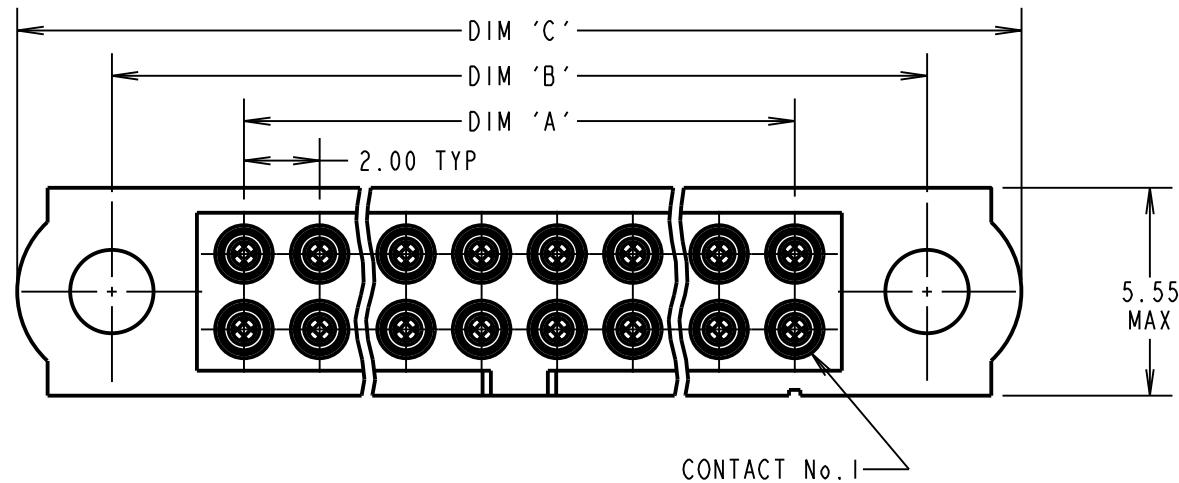
**MECHANICAL:**  
 DURABILITY = 500 OPERATIONS

**SIGNAL CONTACT:**  
 INSERTION FORCE = 2.8N MAX  
 WITHDRAWAL FORCE = 0.2N MIN

**ENVIRONMENTAL:**  
 TEMPERATURE RANGE = -55°C TO +125°C

**PACKING:**  
 BAG

FOR COMPLETE SPECIFICATION SEE COMPONENT SPECIFICATION C005XX (LATEST ISSUE)



SECTION X-X

**NOTES:**

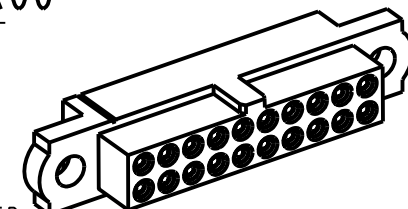
- CONNECTOR IS SUPPLIED WITH CONTACTS LOOSE.
- FOR EXTRA CONTACTS, USE PART No.'s.  
 M80-0190001 FOR M80-4E1XX4200  
 M80-0190005 FOR M80-4E1XX0500
- RECOMMENDED WIRE TYPE = BS 3G 210 TYPE A, OR MIL-W-16878 TYPE ET, PTFE INSULATED 28-32 AWG. MAX INSULATION DIAMETER = Ø0.75mm, STRIP WIRE BY 2.00mm.
- RECOMMENDED HAND CRIMP TOOL = M22520/2-01 WITH POSITIONER T5747. REFER TO TOOLING INSTRUCTION SHEET IS-01 FOR COMPLETE CRIMPING INSTRUCTIONS. CONTACT INSERTION & EXTRACTION TOOL = Z80-280. REFER TO TOOLING INSTRUCTION SHEET IS-25 FOR ASSEMBLY INSTRUCTIONS.

ORDER CODE:

**M80-4E1XXXX00**

TOTAL No. OF CONTACTS  
 04 TO 50  
 (EVEN NUMBERS ONLY)

FINISH CODE  
 05 - GOLD CLIP, GOLD SHELL  
 42 - GOLD CLIP, 100% TIN OVER NICKEL SHELL



DIMENSION	CALCULATION
DIM 'A'	TOTAL No. OF CONTACTS - 2
DIM 'B'	TOTAL No. OF CONTACTS + 5
DIM 'C'	TOTAL No. OF CONTACTS + 10

EXAMPLE: CONNECTOR WITH 20 CONTACTS, GOLD CLIP AND 100% TIN OVER NICKEL SHELL, M80-4E1204200

DIM 'A' = 18.00mm, DIM 'B' = 25.00mm,  
 DIM 'C' = 30.00mm

**HARWIN**

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**TOLERANCES**

X. = ±1mm  
 X.X = ±0.25mm  
 X.XX = ±0.10mm  
 X.XXX = ±0.01mm

ANGLES = ±5°  
 UNLESS STATED

**MATERIAL:**

SEE ABOVE

**FINISH:**

SEE ABOVE

**S/AREA:**

mm<sup>2</sup>

**TITLE:**

DATAMATE J-TEK FEMALE CRIMP ASSY (EXTRA SMALL BORE)

**DRAWING NUMBER:**

**M80-4E1XXXX00**

MGP	1	21.03.13	11932
NAME	ISS.	DATE	C/NOTE
APPROVED: MGP			
CHECKED: SF			
DRAWN: M G PLESTED			
CUSTOMER REF.:			
ASSEMBLY DRG:			